We Claim:

1.   A mobile station for sending information to a base station having an associated cell site identifier (ID), the mobile station comprising:

a transmitter adapted to send information to the base station;

a processor coupled to the transmitter;

a memory coupled to the processor;

a first instruction set stored in the memory and adapted to cause the processor to obtain the cell site ID associated with the base station;

a second instruction set stored in the memory and adapted to cause the processor to determine an appropriate time slot in which to transmit information;

a third instruction set stored in the memory and adapted to cause the processor to determine if a training waveform is to be transmitted during a training period of the appropriate time slot; and

a fourth instruction set stored in the memory and adapted to cause the processor to control the transmitter to send the cell site ID associated with the base station when the training waveform is not transmitted during the training period of the appropriate time slot.

2.   The mobile station of claim 1, wherein the cell site ID comprises a global cell site identifier of the base station.

3.   The mobile station of claim 1, wherein the cell site ID comprises a local cell site identifier of the base station.

4.   The mobile station of claim 1, further comprising a fifth instruction set stored in the memory and adapted to cause the processor to control the transmitter to send information to the base station in a time-multiplexed manner.

5.   A method of sending information from a mobile station to a base station having an associated cell site identifier (ID), the method comprising:

obtaining the cell site ID associated with the base station;

determining an appropriate time slot in which to transmit information;

5   determining if a training waveform is to be transmitted during a training period of the appropriate time slot; and

transmitting the cell site ID associated with the base station when the training waveform is not transmitted during the training period of the appropriate time slot.

10   6.   The method of claim 5, wherein the cell site ID comprises a global cell site identifier of the base station.

7.   The method of claim 5, wherein the cell site ID comprises a local cell site identifier of the base station.

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8.   The method of claim 5, further comprising sending information to the base station in a time-multiplexed manner.

9. A base station for receiving a time slot of information having a training period therein from a mobile station of a communication system, the base station comprising:

a receiver adapted to receive the time slot of information from the mobile station and to output a receive signal;

a processor coupled to the receiver and adapted to process the receive signal;

a memory coupled to the processor;

a cell site identifier (ID) associated with the base station stored in the memory;

a first instruction set stored in the memory and adapted to cause the processor to determine if the training period includes the cell site ID associated with the base station;

a second instruction set stored in the memory and adapted to cause the processor to discard the time slot of information if the cell site identifier is not included in the training period; and

a third instruction set stored in the memory and adapted to cause the processor to decode the time slot of information if the cell site ID is included in the training period.

10. The base station of claim 9, further comprising a fourth instruction set stored in the memory and adapted to cause the processor to determine if the receive signal correlates with a synchronization signal.

11. The base station of claim 10, further comprising a fifth instruction set stored in the memory and adapted to cause the processor to determine if the training period correlates with a training signal.

12. The base station of claim 11, further comprising a sixth instruction set stored in the memory and adapted to cause the processor to determine if the training period correlates with a pseudotraining signal.

13. The base station of claim 9, further comprising a fourth instruction set stored in the memory and adapted to cause the processor to perform synchronization

functions based on the information in the training period if the cell site ID is included in the training period.

14. The base station of claim 9, further comprising a fourth instruction set stored in the memory and adapted to cause the processor to perform branch delay estimation based on the information in the training period and to correct the operation of the receiver based thereon if the cell site ID is included in the training period.

15. The base station of claim 9, wherein the cell site ID comprises a global cell site identifier of the base station.

16. The base station of claim 9, wherein the cell site ID comprises a local cell site identifier of the base station.

17. A method for receiving at a base station having an associated cell site identifier (ID), a time slot of information having a training period therein, the method comprising:

receiving the time slot of information and outputting a receive signal based thereon;

determining if the training period includes the cell site ID associated with the base station;

discarding the time slot of information if the cell site ID is not included in the training period; and

decoding the time slot of information if the cell site ID is included in the training period.

18. The method of claim 17, further comprising determining if the receive signal correlates with a synchronization signal.

19.   The method of claim 18, further comprising determining if the training period correlates with a training signal.

20.   The method of claim 19, further comprising determining if the training
5   period correlates with a pseudotraining signal.

21.   The method of claim 17, further comprising performing synchronization functions based on the information in the training period if the cell site ID is included in the training period.

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22.   The method of claim 17, further comprising performing branch delay estimation based on the information in the training period if the cell site ID is included in the training period.

15   23.   The method of claim 17, wherein the cell site ID comprises a global cell site identifier of the base station.

24.   The method of claim 17, wherein the cell site ID comprises a local cell site identifier of the base station.

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